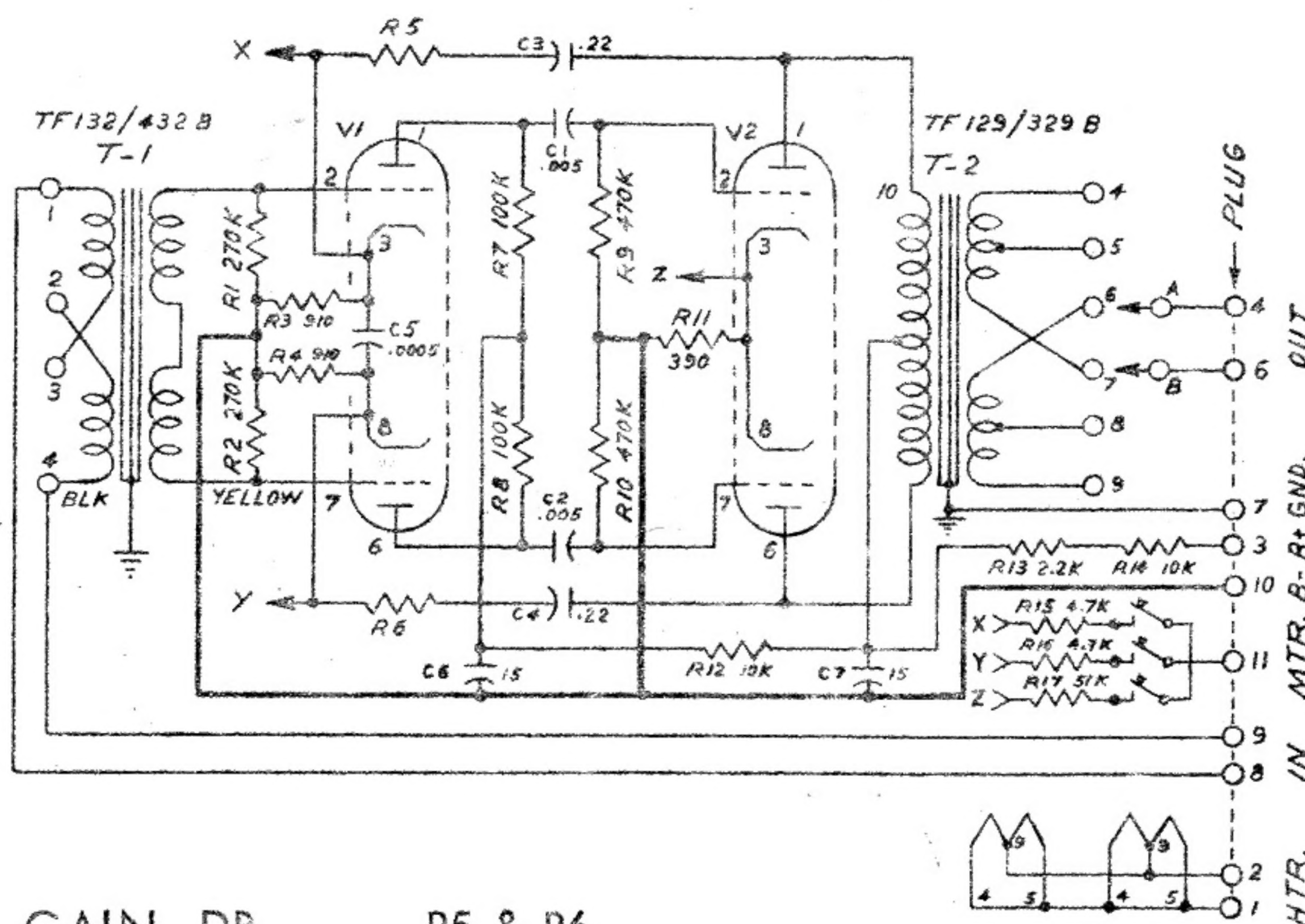


Langevin

A DIVISION OF SONOTEC INCORPORATED
503 SOUTH GRAND AVE. - SANTA ANA, CALIF.

AM5116B
PLUG-IN AMPLIFIER

SPECIFICATIONS AND DATA



GAIN, DB	R5 & R6
46	150K
40 (STD)	100K
35	39K
30	22K

V1: ECC83/12AX7
V2: 12BH7

WHEN MEASURING GAIN BY INSERTION METHOD, ADD 6 DB TO ABOVE FIGURES.

INPUT Z STRAPPING:

	Chassis Edge	Z	STRAP
3 (B) (C) 2		250-600	2-3
4 (B) (C) 1		50-250	1-2 3-4

VIEW OF BOARD WITH AMPLIFIER HANDLE TO RIGHT

OUTPUT Z STRAPPING:

	Z	STRAP
9 (B) 7 (C) 6 (C) 4 (A)	600	A-4 6-7 B-9
8 (B) 5 (C) 3 (C) 2 (A)	250	A-5 6-7 B-8
	150	A-4-6 B-7-9
	50	A-5-6 B-7-8

Output Xfmr. Leads

GAIN: Standard Unit: 40 dB. User can modify between limits of 46 and 30 dB. See schematic at left. Note: When modified to 46 dB, distortion will be slightly higher. Figures are true power gain. Add 6 dB for "insertion" gain per NAB spec.

RESPONSE: ± 0.5 dB 20 cps to 20 Kc

INPUT IMPEDANCE: 50-600 ohms or 600 ohms. See strapping data at left.

OUTPUT IMPEDANCE: 600, 250, 150, 50 ohms. See strapping data at left.

OUTPUT POWER: +13 dBm Short R-14 with strap +24 dBm

DISTORTION: Total harmonic monic generation. Less than 0.2% @ 1 Kc, 0.5% @ 50 cps or 15 Kc, 1.0% @ 20 cps at rated power into rated load.

NOISE: Less than -120 dB equivalent input

TUBES: 1 - 12AX7/6X4, 5751 or 7035; 1 - 12BH7

POWER REQUIREMENT: 12 ma at 300 v or 25 ma when strapped for +24 dBm output; 0.9 at 6.3 v

ACCESSORY ITEMS: Model TRY5016 Mounting Tray. Model MF5010 Mounting Frame. Model FP5030 Front Panel. Model MTR506 Tube Check Meter. See Langevin catalogue for detailed information.

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